Daily Diary Report by Bid Item

Contract No.: **04-0120F4**

Diary #: **675** **Const Calendar Day:** 110 **Date:** **22-Sep-2012** **Saturday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Intermittent
Shift Hours: 07:00 am 03:30 pm **Break:** 00:30 **Over Time:** 08:00
Federal ID:
Location:
Reviewer: **Schmitt, Alex** **Approved Date:** **Status:** Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature **7 AM** 50 - 60 **12 PM** 60 - 70 **4PM** 60 - 70
Precipitation 0.00" **Condition** Cloudy in the AM to mostly sunny in the PM

Working Day ☐ If no, explain:

Diary: Dispute ☐

Work description.

- Measured the axial compression of the OBG deck at the E2 cap beam. The bipod was used with the mini prism tip to define the change in the offset distance. China 2.0m offset punchmarks were used as reference on the OBG at the following locations:

B1W, B3W, B2W, and S2W

The average delta from the 1.781m West offset marks placed on the E2 concrete cap beam surface from punchmarks for the points above was the following:

Average of B1W and B3W (W-Line) = 150mm West

Average of B2W and S2W (E-Line) = 160mm West

The survey was done at the end of Step 5a, with work starting on Step 5b this morning. The theoretical distance from the Pier E2 CL at this stage of load transfer is 93mm East. The actual distance measured is 91mm along the W-Line and 83mm along the E-Line.

The survey was done under uniform ambient conditions where the time of survey was conducted from 7:00am to 7:15am. The official time of sunrise per weather.com was 6:58am. The ambient temperature during the measurements was 47F under cloudy skies. Steel temperature was taken immediately after them measurements at WPP119S which was 48F. This indicates that the measurements were done under uniform ambient conditions before the sun heats up the steel causing thermal expansion/elongation.

- Compiled the surveying data for the tower tie-back release during load transfer. Emailed the status of the current and past tower deflections during certain stages of load transfer to pertinent personnel in Caltrans Structures Construction and Design.

- Compiled the measurements taken of the OBG axial compression at the E2 cap beam during load transfer. Emailed the status of the current and past axial compression values during load transfer to pertinent personnel in Caltrans Structures Construction and Design.

04-0120F4 **Bid Item:** **067** **C-PWS-RCB.067** **Re-tension Cable Bands Bolts**
AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor:	AMERICAN BRIDGE/FLUOR, A JV							

Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name** Bruce, Matt **Diary #:** 675 **Date:** 22-Sep-2012 Saturday

Ironworker		NARAZIO GOMEZ	0.00	8.00	0.00	8.00	☐
Ironworker		THADDEUS BOOKER	0.00	8.00	0.00	8.00	☐
Ironworker		ARRON DAVID	0.00	8.00	0.00	8.00	☐
Ironworker	JNM	MICHAEL DRAPER	0.00	8.00	0.00	8.00	☐

Diary:

Dispute

Work description. **067** C-PWS-RCB.067 ☐

- Stressed all of the bolts in cable bands 22N, 20N, 18N, 16N on the North Sidespan during Phase 1/Step 5a/b and 6a North of load transfer. This operation may be included in a possible CCO not yet determined. See Brian Wolcott's diary for more details from 7:00am to 10:00am and 1:00pm to 3:30pm as he observed the operation at these times and took measurements. The ABF ironworkers used Boltight pump number 70254/2222000753 coupled with gauge number 12906134/6 for todays stressing operation. Similarly the following Boltight jacks were used for todays operation:

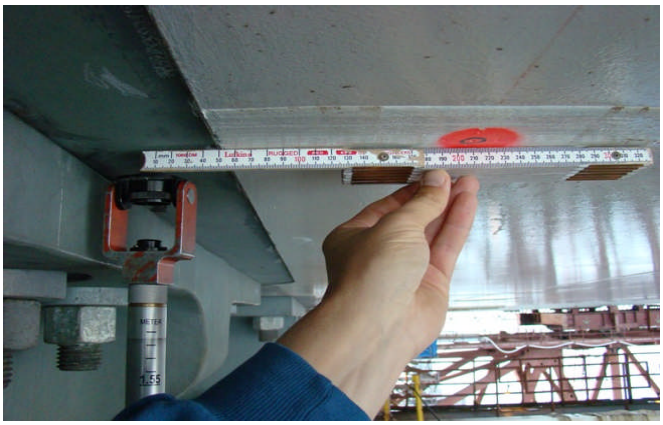
1511

4036, 4037, 4042, 4043, 4046, 4051, 4057

12812, 12813, 12815, 12817, 12820, 12821, 12830, 12832, 12834, 12836, 12839, 12865

Per the required cable band Load Transfer checklist; cable band gaps, cable circumference adjacent to the cable band, cable band slip, and suspender rope measurements were taken after the cable band bolts were stressed a total of 3 times to a pressure of 19,343psi. The ironworkers still need to add oil to the Boltight pump however the system still appears to be working fine. Once the North Sidespan was completed the ironworkers are planning on putting oil in the pump before mobilizing on the South Sidespan. The only other item to note was the ratchet stressing seat was placed in the opposite direction on cable band bolt 14 in cable band E16. The bolts in this cable band were stressed 4 times due to this issue. It should be noted that since load transfer has started, this crew of ironworkers have only worked an 8hr shift per the direction of their Superintendent. The agreement was that the cable band bolt stressing crews match the hours of the crews jacking the suspender ropes at the OBG suspender brackets.

Attachment



The local measurement taken at the B1 Bearing of the OBG axial compression.

Steel temprature of 48F at WPP119S after the local measurements were taken of the OBG axial compression.